

ELECTRICALLY CONDUCTIVE CONJUGATE FIBER

Patent number: JP3249212
Publication date: 1991-11-07
Inventor: MATSUI MASAO; TSUTSUMI HIDENOBU
Applicant: KANEBO LTD
Classification:
- International: *D01D5/30; D01F1/09; D01F8/04; D01D5/30; D01F1/02; D01F8/04; (IPC1-7): D01D5/30; D01F1/09; D01F8/04*
- european:
Application number: JP19900040574 19900220
Priority number(s): JP19900040574 19900220

Report a data error here

Abstract of JP3249212

PURPOSE:To obtain the subject fiber having excellent electrical conductivity and whiteness by bonding an electrically conductive layer composed of a specific conductive particle and a thermoplastic polymer to a protecting layer composed of a fiber-forming polymer. **CONSTITUTION:**The objective fiber is composed of (A) an electrically conductive layer composed of (a) electrically conductive particles containing an inorganic compound as a nucleus covered with a metallic layer and having a coating layer of an electrically conductive metallic compound on the surface and (b) a thermoplastic polymer (preferably polyolefin, polyamide, polyester, etc., having a crystallinity of $\geq 70\%$) and (B) a protecting layer composed of a fiber-forming polymer and bonded to the layer A. The metallic compound to form the coating film is preferably tin oxide, zinc oxide, indium oxide, copper iodide, etc.

Data supplied from the *esp@cenet* database - Worldwide